CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AKHB/02/2023-24

Date: 09.03.2024

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Akshay Kumar H B(Akshay Constructios),** Contractor, Bangalore.

Name of Work : Construction of RO Plant and other development works at JPN Colony census block No. 89/1,89/2 in Chowdeshwari Ward No.02 of Yelahanka sub Division, BBMP, Bangalore

Sample : :Cement (Dalmia 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : February - 2024

Date of Testing : 07.03.2024 to 09.03.2024

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	385 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

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Note:

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3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Job No.: CQCE/BBMP/AKHB/02/2023-24 Date : 09.03.2024

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Agency : **Sri. Akshay Kumar H B(Akshay Constructios),** Contractor, Bangalore.
Name of Work : Construction of RO Plant and other development works at JPN Colony census block No. 89/1,89/2 in Chowdeshwari Ward No.02 of Yelahanka sub Division, BBMP, Bangalore
Date of Testing : 09.03.2024
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	66	6.60	6.60	93.4	90-100
2.36	149	14.90	21.50	78.5	75-100
1.18	158	15.80	37.30	62.7	55-90
600 Micron	228	22.80	60.10	39.9	35-59
300 Micron	166	16.60	76.70	23.3	8-30
150 Micron	178	17.80	94.50	5.5	0-10

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Job No.: CQCE/BBMP/AKHB/02/2023-24

Date : 09.03.2024

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Akshay Kumar H B(Akshay Constructios),** Contractor, Bangalore.

Name of the Work : Construction of RO Plant and other development works at JPN Colony census block No. 89/1,89/2 in Chowdeshwari Ward No.02 of Yelahanka sub Division, BBMP, Bangalore

Date of Testing : 09.03.2024

Size of Blocks 400mm*200mm*200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	34.5	405.6	5.07	2156.25	**Minimum required Compressive Strength of Individual Units 5.00N/mm^2**
2	Block 2	34.6	415.2	5.19	2162.50	
3	Block 3	33.4	421.7	5.27	2087.50	
4	Block 4	33.9	426.8	5.34	2118.75	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AKHB/02/2023-24

Date: 27.03.2024

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Akshay Kumar H B(Akshay Constructios),** Contractor, Bangalore.

Name of the work : Construction of RO Plant and other development works at JPN Colony census block No. 89/1,89/2 in Chowdeshwari Ward No.02 of Yelahanka sub Division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.03.2024	27.03.2024	8.002	269.3	11.97
2	20.03.2024	27.03.2024	8.095	279.6	12.43
3	20.03.2024	27.03.2024	8.041	289.1	12.85

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Job No.: CQCE/BBMP/AKHB/02/2023-24

11.04.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Contractor : **Sri. Akshay Kumar H B(Akshay Constructios),** Contractor, Bangalore.

Name of the work : Construction of RO Plant and other development works at JPN Colony census block No. 89/1,89/2 in Chowdeshwari Ward No.02 of Yelahanka sub Division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2024	11.04.2024	8.042	415.8	18.48
2	04.04.2024	11.04.2024	8.158	426.4	18.95
3	04.04.2024	11.04.2024	8.111	435.7	19.36

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